



Operations Report

Rob Harr

19 February 2004

CDF Weekly Meeting



This Week's Stores

Date	Store	Hrs	Inst Lum (initial)	Deliv (nb ⁻¹)	Lum to tape (ε)	Si Phys Lum (ε)	Comment
2/12	3228	31	47.3e30	2295	2030 (88%)	2029 (88%)	
2/13	3231	30	50.6e30	2408	2073 (86%)	1875(78%)	COT HV changed
2/15	3237	31	61.1e30	2872	2252 (78%)	1635 (57%)	SVX & RF trip
2/17	3240	30	59.4e30	2771	2120 (77%)	653 (?)	N₂ added
2/18	3245		66.0e30				In progress SVX off, COT all on
Total				10.3pb⁻¹	8.5 pb⁻¹ (82%)	6.2 pb⁻¹ (60%)	

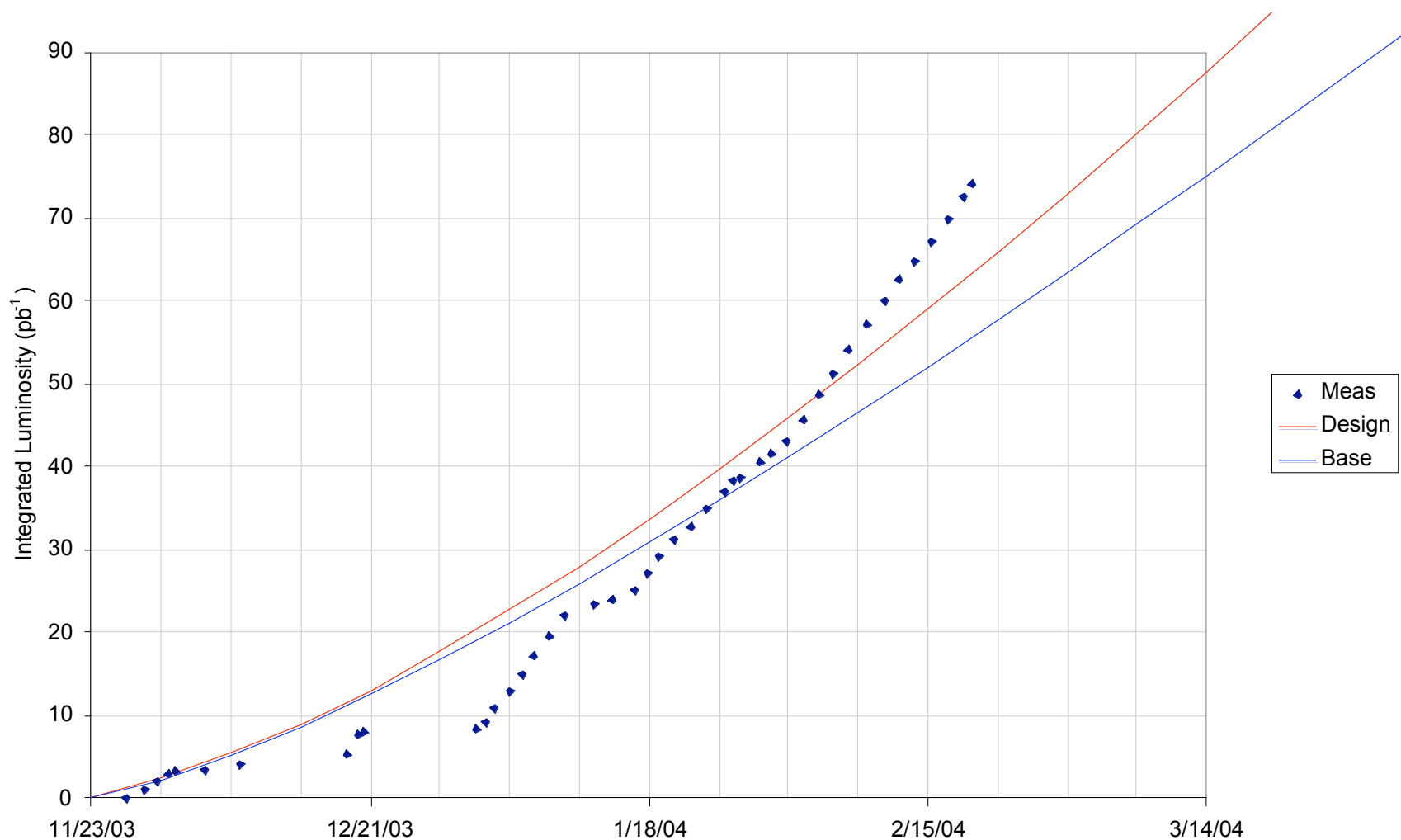


COT Actions

- Rob Roser and Matt Herndon will discuss in detail. I will summarize the actions that have occurred.
- Friday (the thirteenth)
 - SL 1 and 2 turned off
 - HV on SL 3,4, and 5 lowered by ~5%, reducing gain by ~50%
 - XFT: all of SL2 masked on, SL4 set to 3-miss
- Tuesday (2/17)
 - Begin adding about 5% N₂ to the COT gas
- Wednesday (2/18)
 - Silicon switched off and warmed to 15C
 - COT HV back to 100% on all superlayers

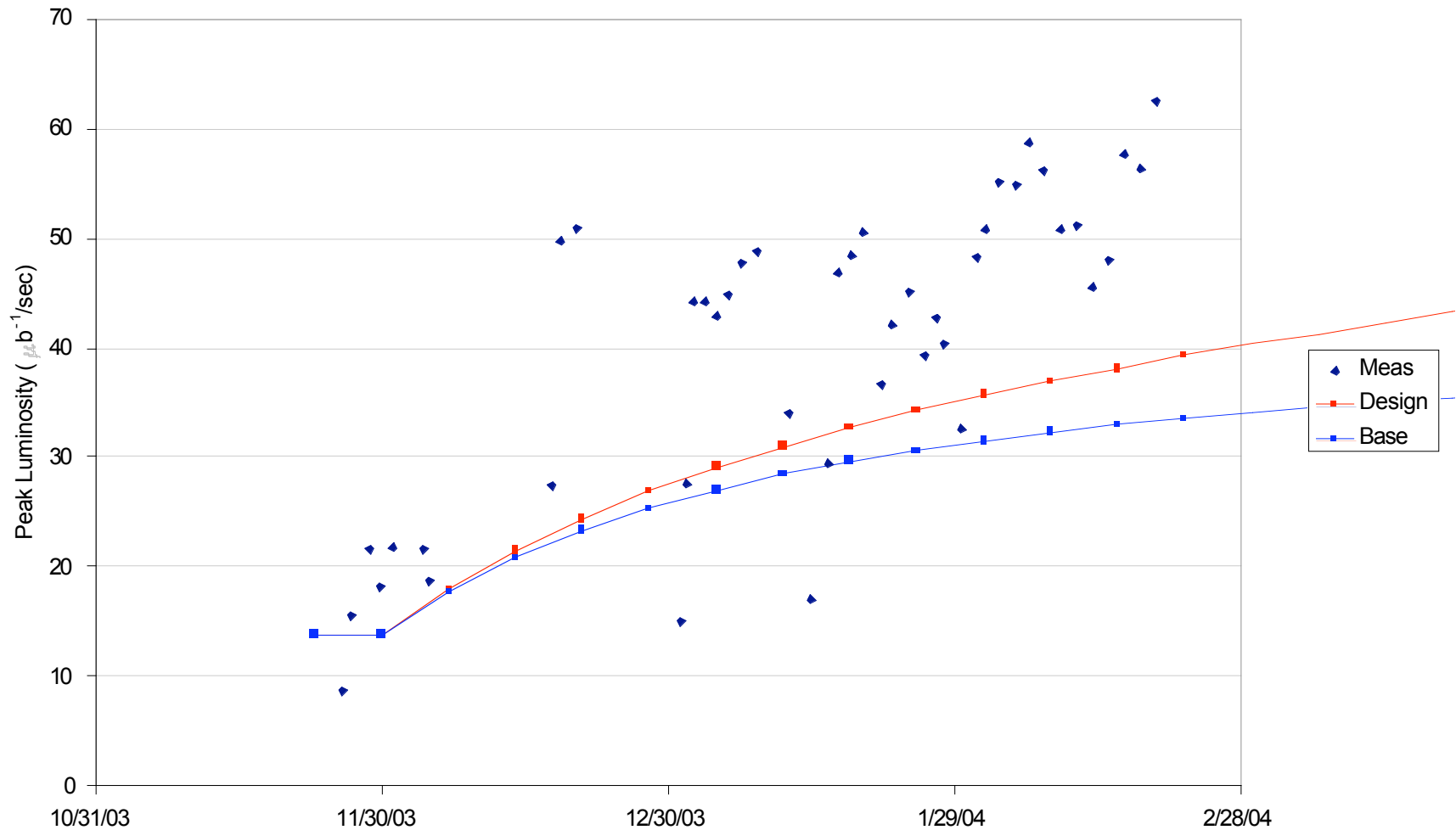


Accelerator Performance





Accelerator operation





Summary/Plan

- **Tevatron**
 - Performance continues to improve.
 - Some concerns with behavior of abort gap losses
- **CDF**
 - Now using 5.1.3 based trigger table
 - DSP and UDPS tests performed
 - Actions taken to investigate COT aging
 - 2.5 day shutdown announced for Feb. 24 is delayed to accommodate removal of COT wire plane.